



**FORM DQP 2.01-1
LEVEL 1 CHECK PRINT SIGN-OFF SHEET**

Client Name: Ohio Department of Transportation

Job Title: Cleveland Innerbelt Design-Build Contract

Job Number: CUY-90-14.90

Document Title: Unit 2 - Walsh c.w check - T187 Erection analysis.in + Dead Load. dat files

Check Level (Mark One): 1A 100% Document Check

1B 100% Input Check

Enter description below:

	Print Name	Signature	Date
<input checked="" type="checkbox"/> Originator	<u>David Glastetter</u>	<u><i>D. Glastetter</i></u>	<u>5/7/12</u>
<input checked="" type="checkbox"/> Checker	<u>Carl Schipfmann</u>	<u><i>Carl Schipf</i></u>	<u>5/8/12</u>
<input checked="" type="checkbox"/> Backchecker	<u>David Glastetter</u>	<u><i>D. Glastetter</i></u>	<u>5/8/12</u>
<input checked="" type="checkbox"/> Updater	<u>David Glastetter</u>	<u><i>D. Glastetter</i></u>	<u>5/8/12</u>
<input checked="" type="checkbox"/> Validator	<u>Carl Schipfmann</u>	<u><i>Carl Schipf</i></u>	<u>5/11/12</u>

Insert an "X" in the box to indicate a required QC activity.

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$ Created By: David Glasstetter   Date: 12-14-10
$ Revised By: Mark Currie        Date: 02-18-11
$ Revised By: David Glasstetter  Date: 05-30-11
$ ADJUSTED JOINTS AT THE ENDS OF THE BRIDGE
$ ADDED FINAL DIAPHRAGM STIFFNESS
$ ADJUSTED DETAIL FACTOR
$ AND CORRECTED LIGHT BLISTER WT. AND LOCATION
$
$ DJG      07-16-11      REVISED FOR LATERAL BRACING CHANGE
$ DJG      10-31-11      INVESTIGATION OF ALTERNATE POURING SEQUENCE
$ Project: Cleveland Innerbelt
$
$ THREE DIMENSIONAL ANALYSIS FOR CLEVELAND INNERBELT
$ UNIT 2 STEEL DESIGN
$ Job Number: 49633
$
$ LIMITS JOINTS 4100 MEMBERS 12100 GROUPS 155 LOADS 60
IDEN 3D ANALYSIS FOR CLEVELAND INNERBELT UNIT 2 DESIGN
$
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_JT_COORDS.DAT
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_JT_COORDS_PIER.dat
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_MEMBER_INCIDENCES.dat
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_MEMBER_INCIDENCES_PIER.dat
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_COMPOSITE_MEMBER_INCIDENCES.dat
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_GROUPS.DAT
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_MATERIAL_PROP.dat
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_MATERIAL_PROP_PIER.dat
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_SECTION_PROP_diaphragm_final.dat
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_SECTION_PROP_PIER.dat
INCLUDE UNIT_2_3D_ANALYSIS_MODEL_MEMBER_PROP_diaphragm_final.dat
$
$ PLOT
INACTIVE MEMBERS
GROUP SLABONLY
GROUP CLOSURE
$
MEMBER RELEASE
700010 TO 700018 BY 2 BEG FY
$
ASSEMBLE STIFFNESS MATRIX
$
TABULATE 192
TABULATE 200
$
INCLUDE Dead_Load.dat
$
$$$ NOTE: MEMBER AGE DEFAULTS TO 1 DAY OLD WHEN "ADD" COMMAND IS GIVEN
$
ERECTION CF90
DAY 1. PLACE STEEL FROM PIER 2 TO PIER 11 EXCEPT CLOSURE SEGMENT
ADD GROUP PIER6
ADD GROUP PIER7
ADD GROUP PHASE1 $ SELF WEIGHT OF GIRDERS STEPS 1 TO 11 (DENSITY ADDS 25%)
ADD GROUP PHASE4
$ PLACE COUNTERWEIGHT ON FREE ENDS
COPY 50
NOPRINT
SOLVE
FILE AUTO CNTRWT.OUT
$
DAY 2. PLACE REBAR FROM P6 TO P9
COPY 208
COPY 207
COPY 210
COPY 209
COPY 212
COPY 211
COPY 214
NOPRINT
SOLVE
$
$
DAY 3. PLACE FORMS FROM SPAN 10 TO P11
COPY 113
COPY 116
COPY 115
NOPRINT
SOLVE
$
$
DAY 4. PLACE REBAR FROM SPAN 10 TO P11
COPY 213
COPY 216
COPY 215
NOPRINT
SOLVE
$
$
DAY 5. PLACE CONCRETE SPAN 10
COPY 16 FACTOR 1.0 $ SPAN 10 CONCRETE WEIGHT
ADD GROUP SP10SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP10SLAB $ SPAN 10 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 12. PLACE CONCRETE SPAN 11
COPY 18 FACTOR 1.0 $ SPAN 11 CONCRETE WEIGHT
ADD GROUP SP11SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP11SLAB $ SPAN 11 SLAB SECTION

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$
ASSEMBLE STIFFNESS MATRIX
$
$
ERECTION
DAY 19. PLACE CONCRETE ON PIER 10
COPY 19 FACTOR 1.0 $ PIER 10 CONCRETE WEIGHT
ADD GROUP PR10SLB1
ADD GROUP PR10SLB2
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP PR10SLB1
GROUP PR10SLB2
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 26. PLACE CONCRETE ON SPAN 9
COPY 24 FACTOR 1.0 $ SPAN 9 CONCRETE WEIGHT
ADD GROUP SP9SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP9SLAB $ SPAN 9 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 33. PLACE CONCRETE ON PIER 9
COPY 17 FACTOR 1.0 $ PIER 9 CONCRETE WEIGHT
ADD GROUP PR9SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP PR9SLAB $ PIER 9 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 40. PLACE CONCRETE ON SPAN 8
COPY 12 FACTOR 1.0 $ SPAN 8 CONCRETE WEIGHT
ADD GROUP SP8SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP8SLAB $ SLAB 8 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 47. PLACE CONCRETE ON PIER 8
COPY 15 FACTOR 1.0 $ PIER 8 CONCRETE WEIGHT
ADD GROUP PR8SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP PR8SLAB $ PIER 8 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 54. PLACE CONCRETE ON SPAN 7
COPY 10 FACTOR 1.0 $ SPAN 7 CONCRETE WEIGHT
ADD GROUP SP7SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP7SLAB $ SPAN 7 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 61. PLACE CONCRETE ON PIER 7
COPY 13 FACTOR 1.0 $ PIER 7 CONCRETE WEIGHT
ADD GROUP PR7SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP PR7SLAB $ PIER 7 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 67. ACTIVATE STEEL CLOSURE SEGMENT
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP CLOSURE
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 68. PLACE CLOSURE SEGMENT
ADD GROUP CLOSURE
ADD GROUP SPAN5
$ REMOVE COUNTERWEIGHT
COPY 51
NOPRINT
SOLVE
$
DAY 70. ADD FORMS FOR SPAN 3 THRU SPAN 6

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COPY 100
COPY 101
COPY 102
COPY 103
COPY 104
COPY 105
COPY 106
NOPRINT
SOLVE
$
DAY 78.  ADD REBAR FOR SPAN 3 THRU SPAN 6
COPY 200
COPY 201
COPY 202
COPY 203
COPY 204
COPY 205
COPY 206
NOPRINT
SOLVE
$
DAY 85.  PLACE CONCRETE ON SPAN 6
COPY 8 FACTOR 1.0 $ SPAN 6 CONCRETE WEIGHT
ADD GROUP SP6SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP6SLAB $ SPAN 6 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 92.  PLACE CONCRETE ON PIER 6
COPY 11 FACTOR 1.0 $ PIER 6 CONCRETE WEIGHT
ADD GROUP PR6SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP PR6SLAB $ PIER 6 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 99.  PLACE CONCRETE ON SPAN 5
COPY 6 FACTOR 1.0 $ SPAN 5 CONCRETE WEIGHT
ADD GROUP SP5SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP5SLAB $ SPAN 5 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 106. PLACE CONCRETE ON PIER 5
COPY 9 FACTOR 1.0 $ PIER 5 CONCRETE WEIGHT
ADD GROUP PR5SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP PR5SLAB $ PIER 5 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 113. PLACE CONCRETE ON SPAN 4
COPY 4 FACTOR 1.0 $ SPAN 4 CONCRETE WEIGHT
ADD GROUP SP4SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP4SLAB $ SPAN 4 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 120. PLACE CONCRETE ON PIER 4
COPY 7 FACTOR 1.0 $ PIER 4 CONCRETE WEIGHT
ADD GROUP PR4SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP PR4SLAB $ PIER 4 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 127. PLACE CONCRETE ON SPAN 3
COPY 3 FACTOR 1.0 $ SPAN 3 CONCRETE WEIGHT
ADD GROUP SP3SLAB
NOPRINT
SOLVE
$
ACTIVE MEMBERS
GROUP SP3SLAB $ SPAN 3 SLAB SECTION
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 134. PLACE CONCRETE ON PIER 3
COPY 5 FACTOR 1.0 $ PIER 3 CONCRETE WEIGHT
ADD GROUP PR3SLAB
NOPRINT

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SOLVE
$
ACTIVE MEMBERS
GROUP PR3SLAB $ PIER 3 SLAB SECTION
$
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 141. FINAL
NOPRINT
SOLVE
$
MEMBER RELEASE
700010 TO 700018 BY 2 BEG
$
ASSEMBLE STIFFNESS MATRIX
$
ERECTION
DAY 148.  ADD BARRIERS, LIGHTS AND SIGN TRUSS
COPY 21 FACTOR 1.0 $ BARRIERS
COPY 22 FACTOR 1.0 $ LIGHTS
COPY 23 FACTOR 1.0 $ SIGN TRUSS
NOPRINT
SOLVE
$
$
$
$
PLOT
FINISH

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$ THE FOLLOWING IS THE DEAD LOAD INPUT
$ FOR THE CLEVELAND INNERBELT UNIT 2 3D MODEL
$
$
$ TO INCLUDE THESE LOADS IN THE MODEL
$ USE THE COMMAND:
$*INCLUDE DEAD_LOAD.DAT* IN THE INPUT FILE
$
-----
$
$ Revisions:
$ Initials Date Reason
$ DJG 12-14-10 Created File
$ MCC 2-17-11 CHECKED
$ TRG 3-8-11 BACKCHECKED
$ DJG 3-11-11 CORRECTED
$ DJG 5-30-11 CORRECTED LIGHT BLISTERS
$ DJG 6-3-11 CORRECTED SLAB WEIGHT
$ DJG 07-16-11 REVISED FOR LATERAL BRACING CHANGE
$ DJG 11/3/11 REVISED FOR WALSHS PREFERRED POURING SEQ
$
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UNIT KIP FEET
LOAD 1 DEAD LOAD SELF WEIGHT OF STEEL
DEAD LOAD
GROUP NCG1 FY -1.0
GROUP NCG2 FY -1.0
GROUP NCG3 FY -1.0
GROUP NCG4 FY -1.0
GROUP NCS5 FY -1.0
GROUP NCS1 FY -1.0
GROUP NCS2 FY -1.0
GROUP NCS3 FY -1.0
GROUP NCS4 FY -1.0
GROUP DIAPH FY -1.0
GROUP LATBR FY -1.0
GROUP LATDIAG FY -1.0
GROUP DELTALEG FY -1.0
$
$
$ LOADS NOT INCLUDED IN SELF WEIGHT
$
LOAD 100 DEAD LOAD STAY IN PLACE FORMS SPAN 3
MEMBER LOAD
GROUP S3EGIRD FY UNIF GLOB W -0.0210
MEMBER LOAD
GROUP S3IGIRD FY UNIF GLOB W -0.0415
LOAD 101 DEAD LOAD STAY IN PLACE FORMS SPAN 4
MEMBER LOAD
GROUP S4EGIRD FY UNIF GLOB W -0.0212
MEMBER LOAD
GROUP S4IGIRD FY UNIF GLOB W -0.0421
LOAD 102 DEAD LOAD STAY IN PLACE FORMS PIER 3
MEMBER LOAD
GROUP P3EGIRD FY UNIF GLOB W -0.0209
MEMBER LOAD
GROUP P3IGIRD FY UNIF GLOB W -0.0420
LOAD 103 DEAD LOAD STAY IN PLACE FORMS SPAN 5
MEMBER LOAD
GROUP S5EGIRD FY UNIF GLOB W -0.0199
MEMBER LOAD
GROUP S5IGIRD FY UNIF GLOB W -0.0397
LOAD 104 DEAD LOAD STAY IN PLACE FORMS PIER 4
MEMBER LOAD
GROUP P4EGIRD FY UNIF GLOB W -0.0205
MEMBER LOAD
GROUP P4IGIRD FY UNIF GLOB W -0.0408
LOAD 105 DEAD LOAD STAY IN PLACE FORMS SPAN 6
MEMBER LOAD
GROUP S6EGIRD FY UNIF GLOB W -0.0193
MEMBER LOAD
GROUP S6IGIRD FY UNIF GLOB W -0.0384
LOAD 106 DEAD LOAD STAY IN PLACE FORMS PIER 5
MEMBER LOAD
GROUP P5EGIRD FY UNIF GLOB W -0.0189
MEMBER LOAD
GROUP P5IGIRD FY UNIF GLOB W -0.0389
LOAD 107 DEAD LOAD STAY IN PLACE FORMS SPAN 7
MEMBER LOAD
GROUP S7EGIRD FY UNIF GLOB W -0.0211
MEMBER LOAD
GROUP S7IGIRD FY UNIF GLOB W -0.0423
LOAD 108 DEAD LOAD STAY IN PLACE FORMS PIER 6
MEMBER LOAD
GROUP P6EGIRD FY UNIF GLOB W -0.0201
MEMBER LOAD
GROUP P6IGIRD FY UNIF GLOB W -0.0401
LOAD 109 DEAD LOAD STAY IN PLACE FORMS SPAN 8
MEMBER LOAD
GROUP S8EGIRD FY UNIF GLOB W -0.0
MEMBER LOAD
GROUP S8IGIRD FY UNIF GLOB W -0.0
LOAD 110 DEAD LOAD STAY IN PLACE FORMS PIER 7
MEMBER LOAD
GROUP P7EGIRD FY UNIF GLOB W -0.0223
MEMBER LOAD
GROUP P7IGIRD FY UNIF GLOB W -0.0446
LOAD 111 DEAD LOAD STAY IN PLACE FORMS SPAN 9
MEMBER LOAD
GROUP S9EGIRD FY UNIF GLOB W -0.0
MEMBER LOAD
GROUP S9IGIRD FY UNIF GLOB W -0.0
LOAD 112 DEAD LOAD STAY IN PLACE FORMS PIER 8
MEMBER LOAD
GROUP P8EGIRD FY UNIF GLOB W -0.0
MEMBER LOAD
GROUP P8IGIRD FY UNIF GLOB W -0.0

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LOAD 113 DEAD LOAD STAY IN PLACE FORMS SPAN 10
MEMBER LOAD
GROUP S10EGIRD FY UNIF GLOB W -0.0
MEMBER LOAD
GROUP S10IGIRD FY UNIF GLOB W -0.0
LOAD 114 DEAD LOAD STAY IN PLACE FORMS PIER 9
MEMBER LOAD
GROUP P9EGIRD FY UNIF GLOB W -0.0
MEMBER LOAD
GROUP P9IGIRD FY UNIF GLOB W -0.0
LOAD 115 DEAD LOAD STAY IN PLACE FORMS SPAN 11
MEMBER LOAD
GROUP S11EGIRD FY UNIF GLOB W -0.0146
MEMBER LOAD
GROUP S11IGIRD FY UNIF GLOB W -0.0400
LOAD 116 DEAD LOAD STAY IN PLACE FORMS PIER 10
MEMBER LOAD
GROUP P10EGIRD FY UNIF GLOB W -0.0
MEMBER LOAD
GROUP P10IGIRD FY UNIF GLOB W -0.0
LOAD 117 DEAD LOAD STAY IN PLACE FORMS SPAN 12
MEMBER LOAD
GROUP S12EGIRD FY UNIF GLOB W -0.0389
MEMBER LOAD
GROUP S12IGIRD FY UNIF GLOB W -0.0389
LOAD 200 DEAD LOAD REINFORCING SPAN 3
MEMBER LOAD
GROUP S3EGIRD FY UNIF GLOB W -0.126
MEMBER LOAD
GROUP S3IGIRD FY UNIF GLOB W -0.121
LOAD 201 DEAD LOAD REINFORCING SPAN 4
MEMBER LOAD
GROUP S4EGIRD FY UNIF GLOB W -0.123
MEMBER LOAD
GROUP S4IGIRD FY UNIF GLOB W -0.116
LOAD 202 DEAD LOAD REINFORCING PIER 3
MEMBER LOAD
GROUP P3EGIRD FY UNIF GLOB W -0.124
MEMBER LOAD
GROUP P3IGIRD FY UNIF GLOB W -0.118
LOAD 203 DEAD LOAD REINFORCING SPAN 5
MEMBER LOAD
GROUP S5EGIRD FY UNIF GLOB W -0.116
MEMBER LOAD
GROUP S5IGIRD FY UNIF GLOB W -0.107
LOAD 204 DEAD LOAD REINFORCING PIER 4
MEMBER LOAD
GROUP P4EGIRD FY UNIF GLOB W -0.120
MEMBER LOAD
GROUP P4IGIRD FY UNIF GLOB W -0.112
LOAD 205 DEAD LOAD REINFORCING SPAN 6
MEMBER LOAD
GROUP S6EGIRD FY UNIF GLOB W -0.115
MEMBER LOAD
GROUP S6IGIRD FY UNIF GLOB W -0.104
LOAD 206 DEAD LOAD REINFORCING PIER 5
MEMBER LOAD
GROUP P5EGIRD FY UNIF GLOB W -0.115
MEMBER LOAD
GROUP P5IGIRD FY UNIF GLOB W -0.105
LOAD 207 DEAD LOAD REINFORCING SPAN 7
MEMBER LOAD
GROUP S7EGIRD FY UNIF GLOB W -0.120
MEMBER LOAD
GROUP S7IGIRD FY UNIF GLOB W -0.113
LOAD 208 DEAD LOAD REINFORCING PIER 6
MEMBER LOAD
GROUP P6EGIRD FY UNIF GLOB W -0.117
MEMBER LOAD
GROUP P6IGIRD FY UNIF GLOB W -0.108
LOAD 209 DEAD LOAD REINFORCING SPAN 8
MEMBER LOAD
GROUP S8EGIRD FY UNIF GLOB W -0.135
MEMBER LOAD
GROUP S8IGIRD FY UNIF GLOB W -0.133
LOAD 210 DEAD LOAD REINFORCING PIER 7
MEMBER LOAD
GROUP P7EGIRD FY UNIF GLOB W -0.123
MEMBER LOAD
GROUP P7IGIRD FY UNIF GLOB W -0.118
LOAD 211 DEAD LOAD REINFORCING SPAN 9
MEMBER LOAD
GROUP S9EGIRD FY UNIF GLOB W -0.144
MEMBER LOAD
GROUP S9IGIRD FY UNIF GLOB W -0.148
LOAD 212 DEAD LOAD REINFORCING PIER 8
MEMBER LOAD
GROUP P8EGIRD FY UNIF GLOB W -0.140
MEMBER LOAD
GROUP P8IGIRD FY UNIF GLOB W -0.141
LOAD 213 DEAD LOAD REINFORCING SPAN 10
MEMBER LOAD
GROUP S10EGIRD FY UNIF GLOB W -0.154
MEMBER LOAD
GROUP S10IGIRD FY UNIF GLOB W -0.166
$

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LOAD 214 DEAD LOAD REINFORCING PIER 9
MEMBER LOAD
GROUP P9EGIRD FY UNIF GLOB W -0.149
MEMBER LOAD
GROUP P9IGIRD FY UNIF GLOB W -0.157
$
LOAD 215 DEAD LOAD REINFORCING SPAN 11
MEMBER LOAD
GROUP S11EGIRD FY UNIF GLOB W -0.118
MEMBER LOAD
GROUP S11IGIRD FY UNIF GLOB W -0.109
$
LOAD 216 DEAD LOAD REINFORCING PIER 10
MEMBER LOAD
GROUP P10EGRD1 FY UNIF GLOB W -0.145
MEMBER LOAD
GROUP P10EGRD2 FY UNIF GLOB W -0.145
MEMBER LOAD
GROUP P10IGRD1 FY UNIF GLOB W -0.157
MEMBER LOAD
GROUP P10IGRD2 FY UNIF GLOB W -0.157
$
LOAD 3 DEAD LOAD SLAB WEIGHT SPAN 3
$ EXTERIOR
MEMBER LOAD
GROUP S3EGIRD FY UNIF GLOB W -1.2129 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S3EGIRD FY UNIF GLOB W -0.0466 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S3EGIRD FY UNIF GLOB W -0.0965 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP S3IGIRD FY UNIF GLOB W -1.1438 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S3IGIRD FY UNIF GLOB W -0.0923 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S3IGIRD FY UNIF GLOB W -0.0965 $ HAUNCH
$
LOAD 4 DEAD LOAD SLAB WEIGHT SPAN 4
$ EXTERIOR
MEMBER LOAD
GROUP S4EGIRD FY UNIF GLOB W -1.2228 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S4EGIRD FY UNIF GLOB W -0.0471 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S4EGIRD FY UNIF GLOB W -0.0811 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP S4IGIRD FY UNIF GLOB W -1.1091 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S4IGIRD FY UNIF GLOB W -0.0935 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S4IGIRD FY UNIF GLOB W -0.0811 $ HAUNCH
$
LOAD 5 DEAD LOAD SLAB WEIGHT PIER 3
$ EXTERIOR
MEMBER LOAD
GROUP P3EGIRD FY UNIF GLOB W -1.2055 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P3EGIRD FY UNIF GLOB W -0.0465 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P3EGIRD FY UNIF GLOB W -0.0936 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP P3IGIRD FY UNIF GLOB W -1.1248 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P3IGIRD FY UNIF GLOB W -0.0934 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P3IGIRD FY UNIF GLOB W -0.0936 $ HAUNCH
$
LOAD 6 DEAD LOAD SLAB WEIGHT SPAN 5
$ EXTERIOR
MEMBER LOAD
GROUP S5EGIRD FY UNIF GLOB W -1.1946 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S5EGIRD FY UNIF GLOB W -0.0442 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S5EGIRD FY UNIF GLOB W -0.0728 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP S5IGIRD FY UNIF GLOB W -1.0526 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S5IGIRD FY UNIF GLOB W -0.0883 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S5IGIRD FY UNIF GLOB W -0.0728 $ HAUNCH
$
LOAD 7 DEAD LOAD SLAB WEIGHT PIER 4
$ EXTERIOR
MEMBER LOAD
GROUP P4EGIRD FY UNIF GLOB W -1.2091 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P4EGIRD FY UNIF GLOB W -0.0456 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P4EGIRD FY UNIF GLOB W -0.0686 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP P4IGIRD FY UNIF GLOB W -1.0815 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P4IGIRD FY UNIF GLOB W -0.0907 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P4IGIRD FY UNIF GLOB W -0.0686 $ HAUNCH
$
LOAD 8 DEAD LOAD SLAB WEIGHT SPAN 6
$ EXTERIOR
MEMBER LOAD
GROUP S6EGIRD FY UNIF GLOB W -1.1814 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S6EGIRD FY UNIF GLOB W -0.0428 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD

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GROUP S6EGIRD FY UNIF GLOB W -0.0811 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP S6IGIRD FY UNIF GLOB W -1.0261 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S6IGIRD FY UNIF GLOB W -0.0853 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S6IGIRD FY UNIF GLOB W -0.0811 $ HAUNCH
$
LOAD 9 DEAD LOAD SLAB WEIGHT PIER 5
$ EXTERIOR
MEMBER LOAD
GROUP P5EGIRD FY UNIF GLOB W -1.1755 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P5EGIRD FY UNIF GLOB W -0.0420 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P5EGIRD FY UNIF GLOB W -0.0801 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP P5IGIRD FY UNIF GLOB W -1.0277 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P5IGIRD FY UNIF GLOB W -0.0865 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P5IGIRD FY UNIF GLOB W -0.0801 $ HAUNCH
$
LOAD 10 DEAD LOAD SLAB WEIGHT SPAN 7
$ EXTERIOR
MEMBER LOAD
GROUP S7EGIRD FY UNIF GLOB W -1.2213 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S7EGIRD FY UNIF GLOB W -0.0469 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S7EGIRD FY UNIF GLOB W -0.0853 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP S7IGIRD FY UNIF GLOB W -1.1059 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S7IGIRD FY UNIF GLOB W -0.0939 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S7IGIRD FY UNIF GLOB W -0.0853 $ HAUNCH
$
LOAD 11 DEAD LOAD SLAB WEIGHT PIER 6
$ EXTERIOR
MEMBER LOAD
GROUP P6EGIRD FY UNIF GLOB W -1.1989 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P6EGIRD FY UNIF GLOB W -0.0446 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P6EGIRD FY UNIF GLOB W -0.0770 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP P6IGIRD FY UNIF GLOB W -1.0612 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P6IGIRD FY UNIF GLOB W -0.0892 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P6IGIRD FY UNIF GLOB W -0.0770 $ HAUNCH
$
LOAD 12 DEAD LOAD SLAB WEIGHT SPAN 8
$ EXTERIOR
MEMBER LOAD
GROUP S8EGIRD FY UNIF GLOB W -1.3366 $ 10 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S8EGIRD FY UNIF GLOB W 0.0000 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S8EGIRD FY UNIF GLOB W -0.0545 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP S8IGIRD FY UNIF GLOB W -1.3183 $ 10 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S8IGIRD FY UNIF GLOB W 0.0000 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S8IGIRD FY UNIF GLOB W -0.0545 $ HAUNCH
$
LOAD 13 DEAD LOAD SLAB WEIGHT PIER 7
$ EXTERIOR
MEMBER LOAD
GROUP P7EGIRD FY UNIF GLOB W -1.2410 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P7EGIRD FY UNIF GLOB W -0.0495 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P7EGIRD FY UNIF GLOB W -0.0730 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP P7IGIRD FY UNIF GLOB W -1.1484 $ 9 INCH SLAB WEIGHT
MEMBER LOAD
GROUP P7IGIRD FY UNIF GLOB W -0.0992 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP P7IGIRD FY UNIF GLOB W -0.0730 $ HAUNCH
$
LOAD 14 DEAD LOAD SLAB WEIGHT SPAN 9
$ EXTERIOR
MEMBER LOAD
GROUP S9EGIRD FY UNIF GLOB W -1.3878 $ 10 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S9EGIRD FY UNIF GLOB W 0.0000 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S9EGIRD FY UNIF GLOB W -0.0462 $ HAUNCH
$ INTERIOR
MEMBER LOAD
GROUP S9IGIRD FY UNIF GLOB W -1.4467 $ 10 INCH SLAB WEIGHT
MEMBER LOAD
GROUP S9IGIRD FY UNIF GLOB W 0.0000 $ EXTRA CONCRETE IN DECK FORMS
MEMBER LOAD
GROUP S9IGIRD FY UNIF GLOB W -0.0462 $ HAUNCH
$
LOAD 15 DEAD LOAD SLAB WEIGHT PIER 8
$ EXTERIOR
MEMBER LOAD
GROUP P8EGIRD FY UNIF GLOB W -1.3509 $ 10 INCH SLAB WEIGHT

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MEMBER LOAD
 GROUP P8EGIRD FY UNIF GLOB W 0.0000 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP P8EGIRD FY UNIF GLOB W -0.0555 \$ HAUNCH
 \$ INTERIOR
 MEMBER LOAD
 GROUP P8IGIRD FY UNIF GLOB W -1.3729 \$ 10 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP P8IGIRD FY UNIF GLOB W 0.0000 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP P8IGIRD FY UNIF GLOB W -0.0555 \$ HAUNCH
 \$
 LOAD 16 DEAD LOAD SLAB WEIGHT SPAN 10
 \$ EXTERIOR
 MEMBER LOAD
 GROUP S10EGIRD FY UNIF GLOB W -1.4767 \$ 10 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP S10EGIRD FY UNIF GLOB W 0.0000 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP S10EGIRD FY UNIF GLOB W -0.0602 \$ HAUNCH
 \$ INTERIOR
 MEMBER LOAD
 GROUP S10IGIRD FY UNIF GLOB W -1.6290 \$ 10 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP S10IGIRD FY UNIF GLOB W 0.0000 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP S10IGIRD FY UNIF GLOB W -0.0602 \$ HAUNCH
 \$
 LOAD 17 DEAD LOAD SLAB WEIGHT PIER 9
 \$ EXTERIOR
 MEMBER LOAD
 GROUP P9EGIRD FY UNIF GLOB W -1.4115 \$ 10 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP P9EGIRD FY UNIF GLOB W 0.0000 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP P9EGIRD FY UNIF GLOB W -0.0555 \$ HAUNCH
 \$ INTERIOR
 MEMBER LOAD
 GROUP P9IGIRD FY UNIF GLOB W -1.5390 \$ 10 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP P9IGIRD FY UNIF GLOB W 0.0000 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP P9IGIRD FY UNIF GLOB W -0.0555 \$ HAUNCH
 \$
 LOAD 18 DEAD LOAD SLAB WEIGHT SPAN 11
 \$ EXTERIOR
 MEMBER LOAD
 GROUP S11EGIRD FY UNIF GLOB W -1.1401 \$ 9 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP S11EGIRD FY UNIF GLOB W -0.0324 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP S11EGIRD FY UNIF GLOB W -0.0693 \$ HAUNCH
 \$ INTERIOR
 MEMBER LOAD
 GROUP S11IGIRD FY UNIF GLOB W -1.0535 \$ 9 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP S11IGIRD FY UNIF GLOB W -0.0889 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP S11IGIRD FY UNIF GLOB W -0.0693 \$ HAUNCH
 \$
 LOAD 19 DEAD LOAD SLAB WEIGHT PIER 10
 \$ EXTERIOR
 MEMBER LOAD
 GROUP P10EGRD1 FY UNIF GLOB W -1.4801 \$ 10 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP P10EGRD1 FY UNIF GLOB W 0.0000 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP P10EGRD1 FY UNIF GLOB W -0.0555 \$ HAUNCH
 \$ INTERIOR
 MEMBER LOAD
 GROUP P10IGRD1 FY UNIF GLOB W -1.6742 \$ 10 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP P10IGRD1 FY UNIF GLOB W 0.0000 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP P10IGRD1 FY UNIF GLOB W -0.0555 \$ HAUNCH
 \$ EXTERIOR
 MEMBER LOAD
 GROUP P10EGRD2 FY UNIF GLOB W -1.1334 \$ 9 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP P10EGRD2 FY UNIF GLOB W -0.0323 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP P10EGRD2 FY UNIF GLOB W -0.0661 \$ HAUNCH
 \$ INTERIOR
 MEMBER LOAD
 GROUP P10IGRD2 FY UNIF GLOB W -1.0246 \$ 9 INCH SLAB WEIGHT
 MEMBER LOAD
 GROUP P10IGRD2 FY UNIF GLOB W -0.0865 \$ EXTRA CONCRETE IN DECK FORMS
 MEMBER LOAD
 GROUP P10IGRD2 FY UNIF GLOB W -0.0661 \$ HAUNCH
 \$
 LOAD 20 FUTURE WEARING SURFACE
 \$ EXTERIOR
 MEMBER LOAD
 GROUP S3ECOMP FY UNIF GLOB W -0.507
 MEMBER LOAD
 GROUP S4ECOMP FY UNIF GLOB W -0.497
 MEMBER LOAD
 GROUP P3ECOMP FY UNIF GLOB W -0.501
 MEMBER LOAD
 GROUP S5ECOMP FY UNIF GLOB W -0.481
 MEMBER LOAD
 GROUP P4ECOMP FY UNIF GLOB W -0.489
 MEMBER LOAD
 GROUP S6ECOMP FY UNIF GLOB W -0.473
 MEMBER LOAD
 GROUP P5ECOMP FY UNIF GLOB W -0.474
 MEMBER LOAD
 GROUP S7ECOMP FY UNIF GLOB W -0.496
 MEMBER LOAD

GROUP P6ECOMP FY UNIF GLOB W -0.483
 MEMBER LOAD
 GROUP S8ECOMP FY UNIF GLOB W -0.519
 MEMBER LOAD
 GROUP P7ECOMP FY UNIF GLOB W -0.508
 MEMBER LOAD
 GROUP S9ECOMP FY UNIF GLOB W -0.552
 MEMBER LOAD
 GROUP P8ECOMP FY UNIF GLOB W -0.533
 MEMBER LOAD
 GROUP S10ECOMP FY UNIF GLOB W -0.599
 MEMBER LOAD
 GROUP P9ECOMP FY UNIF GLOB W -0.576
 MEMBER LOAD
 GROUP S11ECOMP FY UNIF GLOB W -0.481
 MEMBER LOAD
 GROUP P10ECMP1 FY UNIF GLOB W -0.611
 MEMBER LOAD
 GROUP P10ECMP2 FY UNIF GLOB W -0.473
 \$ INTERIOR
 MEMBER LOAD
 GROUP S3ICOMP FY UNIF GLOB W -0.654
 MEMBER LOAD
 GROUP S4ICOMP FY UNIF GLOB W -0.634
 MEMBER LOAD
 GROUP P3ICOMP FY UNIF GLOB W -0.643
 MEMBER LOAD
 GROUP S5ICOMP FY UNIF GLOB W -0.602
 MEMBER LOAD
 GROUP P4ICOMP FY UNIF GLOB W -0.618
 MEMBER LOAD
 GROUP S6ICOMP FY UNIF GLOB W -0.586
 MEMBER LOAD
 GROUP P5ICOMP FY UNIF GLOB W -0.587
 MEMBER LOAD
 GROUP S7ICOMP FY UNIF GLOB W -0.632
 MEMBER LOAD
 GROUP P6ICOMP FY UNIF GLOB W -0.606
 MEMBER LOAD
 GROUP S8ICOMP FY UNIF GLOB W -0.678
 MEMBER LOAD
 GROUP P7ICOMP FY UNIF GLOB W -0.656
 MEMBER LOAD
 GROUP S9ICOMP FY UNIF GLOB W -0.744
 MEMBER LOAD
 GROUP P8ICOMP FY UNIF GLOB W -0.706
 MEMBER LOAD
 GROUP S10ICOMP FY UNIF GLOB W -0.838
 MEMBER LOAD
 GROUP P9ICOMP FY UNIF GLOB W -0.791
 MEMBER LOAD
 GROUP S11ICOMP FY UNIF GLOB W -0.602
 MEMBER LOAD
 GROUP P10ICMP1 FY UNIF GLOB W -0.861
 MEMBER LOAD
 GROUP P10ICMP2 FY UNIF GLOB W -0.586
 \$
 \$
 LOAD 21 BARRIER CURB
 MEMBER LOAD
 GROUP CG1 FY UNIF GLOB W -0.447
 MEMBER LOAD
 GROUP CG5 FY UNIF GLOB W -0.447
 MEMBER LOAD
 1228 TO 1312 3228 TO 3315 -
 5228 TO 5312 FY UNIF GLOB W -0.175 \$ MEDIAN BARRIER
 \$
 LOAD 22 LIGHT POLES AND BLISTERS
 JOINT LOAD
 1025 9025 FY -3.64
 JOINT LOAD
 1044 9044 FY -3.64
 JOINT LOAD
 1060 9060 FY -3.64
 JOINT LOAD
 1076 9077 FY -3.64
 JOINT LOAD
 1090 9090 FY -3.64
 JOINT LOAD
 1111 9111 FY -3.64
 JOINT LOAD
 1124 9124 FY -3.64
 JOINT LOAD
 1142 9142 FY -3.64
 JOINT LOAD
 1161 9161 FY -3.64
 JOINT LOAD
 1182 9182 FY -3.64
 JOINT LOAD
 1198 9198 FY -3.64
 JOINT LOAD
 1220 9219 FY -3.64
 JOINT LOAD
 1232 9236 FY -3.64
 JOINT LOAD
 1252 9255 FY -3.64
 JOINT LOAD
 1271 9274 FY -3.64
 JOINT LOAD
 1288 9281 FY -3.64
 JOINT LOAD
 1306 9308 FY -3.64
 \$
 LOAD 23 OVERHEAD SIGN TRUSS AT STA. 140+50
 JOINT LOAD
 1130 9130 FY -17.
 \$
 LOAD 50 COUNTERWEIGHT LOAD
 JOINT LOAD

1072 3072 5072 7072 9072 FY -130.
MEMBER LOAD
1093 3093 5093 7093 9093 FY CONC GLOB L 6.6 P -83.

\$

LOAD 51 REMOVE COUNTERWEIGHT

JOINT LOAD
1072 3072 5072 7072 9072 FY 130.
MEMBER LOAD

1093 3093 5093 7093 9093 FY CONC GLOB L 6.6 P 83.

\$ END OF INCLUDE FILE